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CLAIMS

Listing of Claims:

1. – 18. (Canceled).

19. (Currently Amended) A process for operating a virtual machine having a normal mode of operation and a pre-internalization mode of operation, comprising:

selecting a program file from a set of available program files to identify a selected program file;

determining whether a reusable pre-internalized image of the selected program file has been created, wherein the reusable pre-internalized image is capable of being executed without any further internalization of the selected program file prior to execution by any subsequent invocation of the virtual machine;

if a reusable pre-internalized image of the selected program file has not been created, selectively operating the virtual machine in the pre-internalization mode, comprising:

creating the reusable pre-internalized image of the selected program file;

and

storing the reusable pre-internalized image of the selected program file into a permanent memory, thereby avoiding subsequent internalization of the selected program file for all subsequent program executions[.];

and wherein the virtual machine executes within a first device and the process further comprises:

if the reusable pre-internalized image of the selected program file is available within the first device, executing the reusable pre-internalized image of the selected program file without internalizing the reusable pre-internalized image of the selected program file prior to execution, and
if the reusable pre-internalized image of the selected program file is available within a second device, separate

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from the first device, entering the pre-internalization mode, copying the reusable pre-internalized image of the selected program file from the second device to the first device, and updating memory addresses within the reusable pre-internalized image of the selected program file.

20. (Original) The process of claim 19 further comprising:
if a reusable pre-internalized image of the selected program file has not been created, selectively operating the virtual machine in the pre-internalization mode is performed in response to a user request.
21. (Original) The process of claim 19 wherein if the reusable pre-internalized image of the selected program file has not been created, automatically operating the virtual machine in the pre-internalization mode.
22. (Canceled).
23. (Original) The process of claim 19 further comprising:
executing the virtual machine within a first device; and
if the reusable pre-internalized image of the selected program file is available within the first device, selectively entering the pre-internalization mode and removing the reusable pre-internalized image of the selected program file.
24. (Original) The process of claim 23 wherein selectively entering the pre-internalization mode is performed in response to a user request.
25. (Currently Amended) The process of claim 19 wherein the ~~virtual machine executes~~
within a first device is a portable device.

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26. (Currently Amended) The process of claim 25 wherein the ~~device is a portable device is~~
selected from a group comprising a telephone, pager, internet appliance, personal digital
assistant (PDA), camcorder, portable television, and camera.
27. – 43. (Canceled).
44. (Currently Amended) A device capable of executing a virtual machine having ~~a normal~~
~~mode of operation and~~ a pre-internalization mode of operation, comprising:
- a processor for executing instructions;
 - a permanent memory coupled to the processor for providing instructions and data
to the processor, the permanent memory comprising the virtual machine,
the virtual machine comprising:
 - a first set of one or more instructions, the first set of one or more instructions
when executed determining whether a pre-internalized image of a selected
program file has been created, wherein the pre-internalized image of the
selected program file is capable of being executed without any further
internalization of the selected program file prior to execution by any
subsequent invocation of the virtual machine;
 - a second set of one or more instructions, the second set of one or more
instructions when executed by the processor operating the virtual machine in
the pre-internalization mode, wherein the second set of one or more
instructions is executed if the pre-internalized image of the selected program
file has not been created;
 - a third set of one or more instructions, the third set of one or more instructions
when executed by the processor creating the pre-internalized image of the
selected program file, wherein the third set of one or more instructions
corresponds to the pre-internalization mode of operation; and
 - a fourth set of one or more instructions, the fourth set of one or more instructions
when executed by the processor storing the pre-internalized image of the
selected program file into the permanent memory, wherein ~~the third set of~~

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~~one or more instructions~~ and the fourth set of one or more instructions correspond to the pre-internalization mode of operation.

45. (Original) The device of claim 44, wherein the virtual machine further comprises:
a fifth set of one or more instructions, the fifth set of one or more instructions when executed by the processor processing a user request, wherein in response to the user request, the virtual machine operates in pre-internalization mode.
46. (Previously Presented) The device of claim 44, wherein the virtual machine further comprises:
a fifth set of one or more instructions, the fifth set of one or more instructions when executed by the processor transferring the pre-internalized image of the selected program file from a second permanent memory; and
a sixth set of one or more instructions, the sixth set of one or more instructions when executed by the processor updating memory addresses within the pre-internalized image of the selected program file, wherein execution of the fifth set of one or more instructions and the sixth set of one or more instructions corresponds to the pre-internalization mode of operation.
47. (Previously Presented) The device of claim 44, wherein the virtual machine further comprises:
a fifth set of one or more instructions, the fifth set of one or more instructions when executed by the processor removing the pre-internalized image of the selected program file from the permanent memory.
48. (Previously Presented) The device of claim 47, wherein the virtual machine further comprises:
a sixth set of one or more instructions, the sixth set of one or more instructions when executed by the processor processing a user request, wherein

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removing the pre-internalized image of the selected program file from the permanent memory is performed in response to the user request.

49. (Original) The device of claim 44, wherein the device is a portable device.
50. (Original) The device of claim 49, wherein the portable device is selected from a group comprising a telephone, pager, internet appliance, personal digital assistant (PDA), camcorder, portable television, and camera.
51. (Canceled).
52. (Previously Presented) The device of claim 46 further comprising:
a sixth set of one or more instructions, the sixth set of one or more instructions when executed by the processor updating memory addresses within the pre-internalized image of the selected program file, wherein execution of the fifth set of one or more instructions and the sixth set of one or more instructions corresponds to the pre-internalization mode of operation.